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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,988	11/18/2003	William J. Lindsey		7607
46997	7590	11/19/2007		
WILLIAM LINDSEY 308 WEST PINE STREET P. O. BOX 655 WASHBURN, WI 54891				
			EXAMINER ADDIE, RAYMOND W	
			ART UNIT 3671	PAPER NUMBER
			MAIL DATE 11/19/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/716,988

Applicant(s)

LINDSEY, WILLIAM J.

Examiner

Raymond W. Addie

Art Unit

3671

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 27-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 27-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 5/25/07 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

  
RAYMOND ADDIE  
PRIMARY EXAMINER

## **DETAILED ACTION**

### **Claim Rejections - 35 USC § 103**

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 27-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over an NPL of the Eisenhower Ave Connector intersection with Interstate 495 in Alexandria VA, in view of NPL illustrating Interstate 30 between Dallas and Fort Worth, TX.

The Eisenhower Ave intersection clearly illustrates a common and well known "T" shaped intersection having exit and entrance ramps disposed peripherally of the divided highway 495. Clearly shown in the NPL figure, are neighborhood streets and a railroad line, confining the topographical restraints of the intersection. Hence, what the NPL of Eisenhower Ave. Connector/ 495 does not disclose is disposing the exit and entrance ramps in the median, between the divided lanes of the highway. However, as also clearly shown in the NPL of Interstate 30, exit/entrance ramps are known to be disposed between the lanes of a divided highway, at "T" shaped intersections, where topographical conditions permit. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made, to provide the Eisenhower Ave/495 intersection, with centrally disposed exit/entrance ramps, as taught by NPL of Interstate 30; in order to improve traffic flow and accommodate ambient topographical conditions.

With respect to claims 28-30, 34-36, 41, 42 barriers, stop signs and other forms of indicia, as well as their placement alongside of a road surface, is well known in the art, and often regulated by state and/or federal mandates. Therefore, the use and placement of stops signs and other forms of indicia are obvious to the teachings of the prior art.

With respect to claims 31, 32, 37, 38 arched bridges and vertically offset exit/entrance ramps are old and well known in the art. Their use and placement being known features of intersection design, permitting overpass and underpass of intersecting roadways. Further, the NPL of Interstate 30, reasonably suggests arched roadway segments crossing over/under adjacent roadway segments. Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to provide the "T" shaped intersection illustrated in the NPL to Eisenhower Ave./495, with arched bridges and vertically offset exit/entrance ramps, as reasonably suggested by the NPL to Interstate 30, in order to maximize traffic flow and increase safety by vertically offsetting converging traffic patterns.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 27-42 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

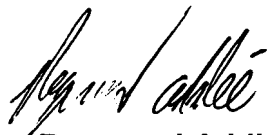
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond W. Addie whose telephone number is 571 272-6986. The examiner can normally be reached on 7am-2:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas B. Will can be reached on 571 272-6998. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3671

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



**Raymond Addie**  
**Primary Examiner**  
**Group 3600**

**9/4/07**

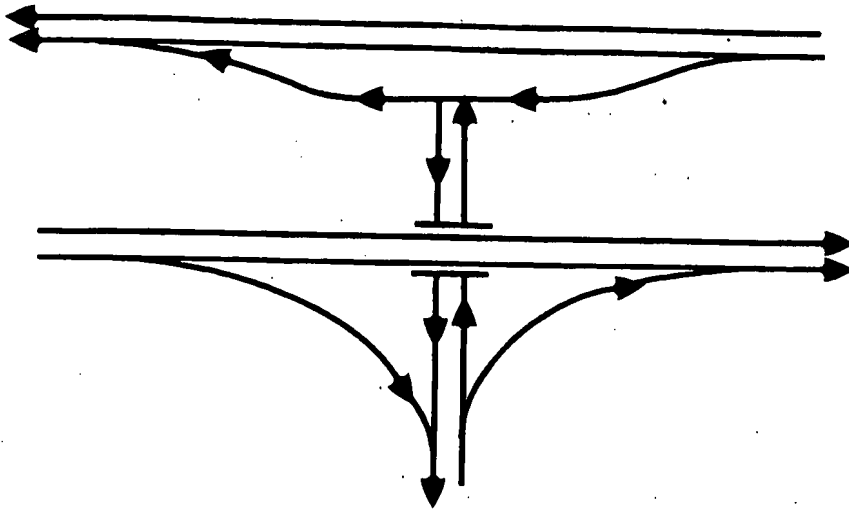


FIG 14

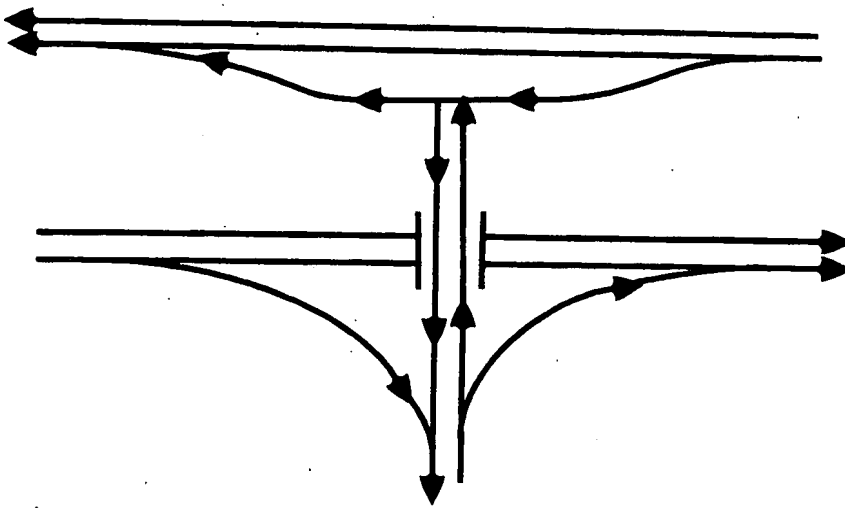


FIG 15

OK To Enter Run

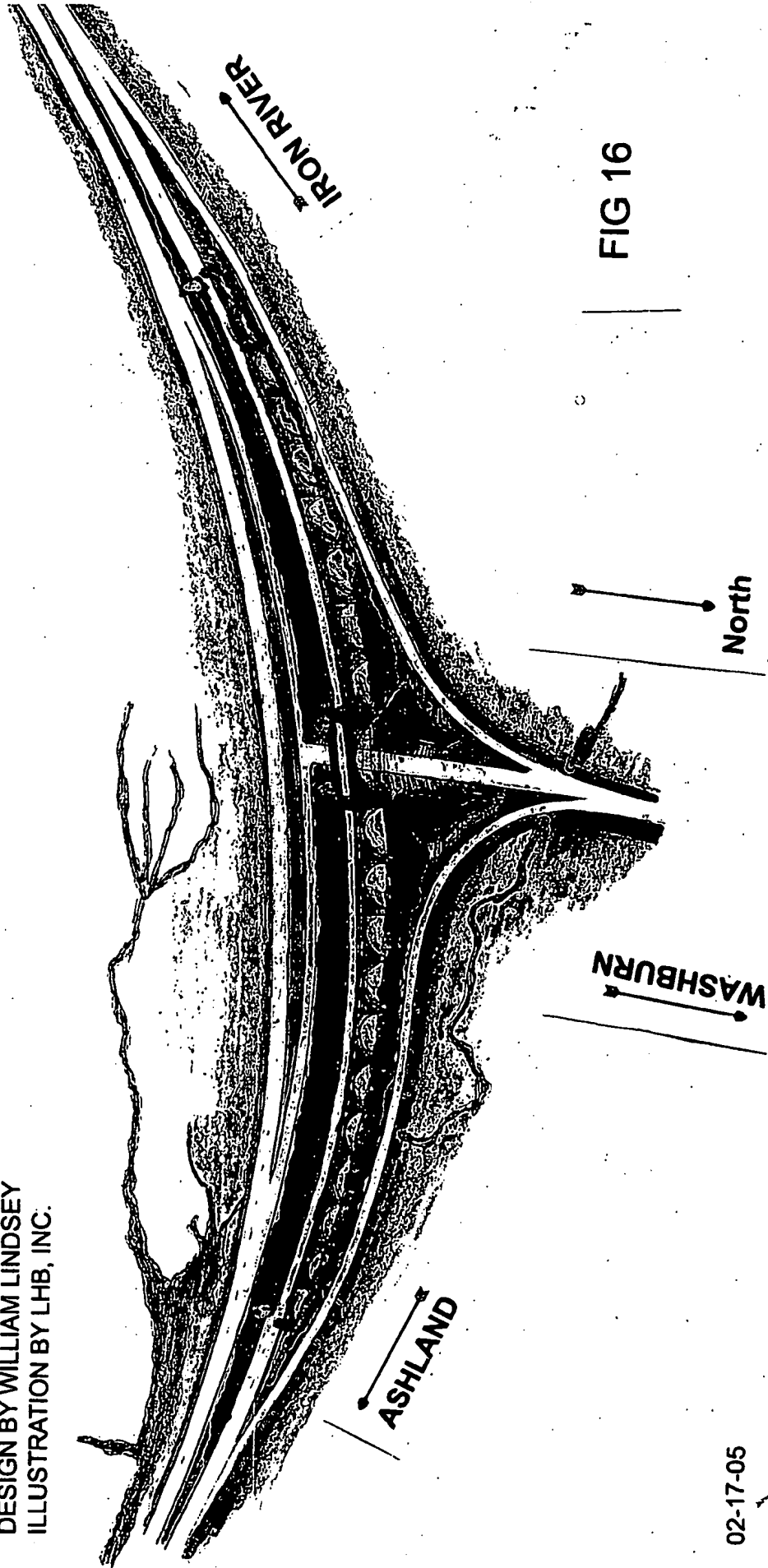
Do Not Enter West



# SIMPLIFIED "T" INTERCHANGE DESIGN

ILLUSTRATED FOR THE  
"T" INTERSECTION AT U.S. HWY #2  
AND WISCONSIN HWY #13 IN BAYFIELD  
COUNTY, WISCONSIN

DESIGN BY WILLIAM LINDSEY  
ILLUSTRATION BY LHB, INC.



02-17-05